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EXAMINER

NGUYEN, KHAI MINH

ART UNIT	PAPER NUMBER
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2687

DATE MAILED: 10/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/748,925

Applicant(s)

HARWOOD ET AL.

Examiner

Khai M. Nguyen

Art Unit

2687

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11, and 13-20 is/are rejected.
- 7) ☒ Claim(s) 12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/30/03.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Information Disclosure Statement

1. The references listed in the Information Disclosure Statement filed December 30, 2003 have been considered by the examiner (see attached PTO-1449 form or PTO/SB/08A and 08B forms).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 9-10, 13-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Suh et al. (U.S.Pub-20030114202).

Regarding claim 9, Suh teaches a hands-free telephone system for a vehicle (fig.3-4) comprising:

a Bluetooth TM enabled cell phone located in the vehicle (fig.3-4, paragraph 0014) , the cell phone storing a phonebook having entries (fig.3-4, element 11, paragraph 0013), each entry including a name text and an associated telephone number (paragraph 0013, 0024); and

a vehicle appliance integrated into the vehicle (fig.3-4, paragraph 0032-0033), the vehicle appliance having a Bluetooth TM enabled communications module, memory, a text-to-speech (TTS) module (fig.3-4, paragraph 0013-0016), and a voice synthesizer (paragraph 0016);

the communications module being operable for wirelessly communicating with the cell phone to receive a selected phonebook entry from the cell phone (fig.3, paragraph 0013, 0024);

the TTS module being operable for converting the name text of the selected phonebook entry into a voice tag for play by the voice synthesizer over a vehicle speaker for the operator to hear (fig.3-4, paragraph 0025-0026);

the memory being operable for storing the converted voice tag and the associated telephone number of the selected phonebook in a phonebook for access by the voice synthesizer (paragraph 0013, 0021, 0024).

Regarding claim 10, Suh teaches the system of claim 9 wherein:

the communications module wirelessly communicates with the cell phone to receive the selected phonebook entry using the OBEX file transfer protocol (paragraph 0013, 0024).

Regarding claim 11, Suh teaches the system of claim 9 wherein:

the vehicle appliance further includes a controller operable for accessing the memory to determine if the converted voice tag of the name text of the selected phonebook entry corresponds to a voice tag of a name text already stored in the memory (paragraph 0028-0029);

if the converted voice tag of the name text of the selected phonebook entry corresponds to a voice tag of a name text already stored in the memory (paragraph 0028-0029), the voice synthesizer outputs an indication over the vehicle speaker for the driver to hear indicating that the converted voice tag of the name text of the selected phonebook entry corresponds to a voice tag of a name text already stored in the memory (paragraph 0028-0031).

Regarding claim 13, Suh teaches the system of claim 9 wherein:

the memory has at least first and second phonebooks for storing entries (fig.3, paragraph 0024), each phonebook storing a list of entries with each entry including a voice tag and an associated telephone number (paragraph 0013), wherein one of the phonebooks is operable at a time (paragraph 0005).

Regarding claim 14, Suh teaches the system of claim 13 wherein:

the vehicle appliance further includes a controller and a voice recognition module (fig.3, element 12, 13), the voice recognition module being operable for receiving a voice command indicative of a selected memory phonebook from the operator (paragraph 0004), the controller being operable for enabling the selected memory phonebook for use by the operator (paragraph 0004-0005, 0016).

Regarding claim 15, Suh teaches the system of claim 9 wherein:

the vehicle appliance further includes a controller and a voice recognition module (fig.3, element 12, 13), the voice recognition module being operable for receiving a voice command indicative of disconnecting the cell phone from the communications module, the controller being operable for disconnecting the communications module from the cell phone in response to the voice command (paragraph 0025).

Regarding claim 16, Suh teaches the system of claim 15 wherein:

the voice recognition module being operable for receiving a second voice command indicative of connecting the disconnected cell phone with the communications module (paragraph 0025), the controller being operable for reconnecting the cell phone with the communications module in response to the second voice command (fig.2-3, paragraph 0016, 0023-0024).

Regarding claim 17, Suh teaches a hands-free telephone system for a vehicle (fig.3-4) comprising:

a Bluetooth TM enabled device (fig.3-4, paragraph 0014); and

a vehicle appliance integrated into the vehicle (fig.3-4, paragraph 0032-0033), the vehicle appliance having a controller (fig.3), a Bluetooth TM enabled communications module, and memory (fig.3, paragraph 0013-0016);

the controller being operable with vehicle components for generating vehicle diagnostic information (fig.3, paragraph 0013-0014, 0024);

the memory being operable for storing the vehicle diagnostic information (paragraph 0013, 0024);

the communications module being operable for wirelessly communicating the vehicle diagnostic information to the device (fig.3, paragraph 0013-0014, 0024).

Regarding claim 18, Suh teaches the system of claim 17 wherein:

the communications module wirelessly communicates with the device to receive the diagnostic information using the OBEX file transfer protocol (paragraph 0013, 0024).

Regarding claim 19, Suh teaches the system of claim 17 further comprising:

a second Bluetooth™ enabled device operable for storing MP3 music files (paragraph 0013, 0024, *memory 11 for storing various telephone numbers and related information from the portable phone*); wherein the communications module is operable for wirelessly communicating with the second device to receive the MP3 music files and the memory is operable for storing the received MP3 music files (paragraph 0013, 0024, *memory 11 for storing various telephone numbers and related information from the portable phone*).

Regarding claim 20, Suh teaches the system of claim 19 wherein:

the vehicle appliance further includes a voice recognition module operable for receiving voice commands of the operator (fig.3, element 12, paragraph 0013-0016), wherein the controller is operable with a vehicle radio system to play the MP3 music files over a vehicle speaker for the operator to hear in accordance with the voice commands of the operator (fig.3, paragraph 0013-0016, 0019).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kinzalow et al. (U.S.Pat-6052603) in view of Suh et al. (U.S.Pub-20030114202).

Regarding claim 1, Kinzalow teaches a hands-free telephone system for a vehicle (fig.1, col.3, lines 42-57) comprising:

a cell phone located in the vehicle (fig.1, element 12, col.3, lines 42-57), the cell phone being operable for enabling an operator to make a cell phone call with a phone external to the vehicle (fig.1, element 10, 12, col.3, lines 42-57); and

the communications module being operable for wirelessly communicating with the cell phone to detect when the cell phone receives an incoming call from an external phone having a telephone number and to receive the telephone number of the external phone from the cell phone (fig.3, col.6, lines 6-21, *when an incoming call is received may be transmitted by the interface 10 to the radio 16*);

the memory being operable for storing a list of names and associated telephone numbers (col.6, lines 35-43);

the controller being operable for accessing the memory to locate a name stored in the memory corresponding to the telephone number of the external phone (col.6, lines 36-44, col.10, lines 29-36);

Kinzalow fails to specifically disclose a vehicle appliance integrated into the vehicle, the vehicle appliance having a controller, a communications module, memory,

and a voice synthesizer, and the voice synthesizer being operable for outputting the name corresponding to the telephone number of the external phone over a vehicle speaker for the operator to hear. However, Suh teaches hands-free telephone system for a vehicle, and Suh teaches an vehicle appliance integrated into the vehicle, the vehicle appliance having a controller (fig.3, element 13), a communications module (fig.3, element 15), memory (fig.3, element 11), and a voice synthesizer (fig.3, element 16), and the voice synthesizer being operable for outputting the name corresponding to the telephone number of the external phone over a vehicle speaker for the operator to hear (fig.3, paragraph 0016, 0025). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use an vehicle appliance integrated into the vehicle, the vehicle appliance having a controller, a communications module, memory, and a voice synthesizer, and the voice synthesizer being operable for outputting the name corresponding to the telephone number of the external phone over a vehicle speaker for the operator to hear as taught by Suh with Kinzalow teaching in order to provide driver safety and is convenient, since a portable phone be operated through system without being manually connected to the system.

Regarding claim 2, Kinzalow and Suh further teaches the system of claim 1 wherein:

the vehicle appliance further includes a display module operable with the controller for generating a textual display of the name corresponding to the telephone

number of the external phone for output by a vehicle radio display for the operator to view (see Kinzalow, col.6, lines 34-44, see Suh, paragraph 0016, 0024).

Regarding claim 3, Kinzalow and Suh further teaches the system of claim 1 wherein:

the vehicle appliance further includes a text-to-speech (TTS) module and the incoming call is a text message (see Suh, paragraph 0026), wherein the communications module is further operable to wirelessly communicate with the cell phone to receive the text message from the cell phone (see Suh, paragraph 0025-0026), wherein the TTS module is operable with the communications module for converting the text message into speech and the voice synthesizer is operable for outputting the speech over the vehicle speaker for the operator to hear (col.6, lines 44-60, see Suh, paragraph 0024-0026).

Regarding claim 4, Kinzalow and Suh further teaches the system of claim 3 wherein:

the vehicle appliance further includes a display module operable with the communications module for displaying the text message on the vehicle radio display for the operator to view (see Kinzalow, col.6, lines 34-44, see Suh, paragraph 0016, 0024).

Regarding claim 5, Kinzalow and Suh further teaches the system of claim 1 wherein:

the vehicle appliance further includes a voice recognition module operable for recognizing voice commands stated by the operator (fig.3, element 82, col.6, lines 44-60), wherein the controller generates a control signal to control operation of a vehicle component in response to a vehicle component voice command received by the voice recognition module from the operator (see Suh, fig.3, element 13, 16, paragraph 0016).

Regarding claim 6, Kinzalow and Suh further teaches the system of claim 1 wherein:

the cell phone stores a phonebook having entries, each entry including a name text and an associated telephone number (col.6, lines 34-43, see Suh, fig.3-4, paragraph 0013);

wherein the vehicle appliance further includes a text-to-speech (TTS) module (see Suh, fig.3-4, paragraph 0013-0016);

wherein the communications module wirelessly communicates with the cell phone to receive a selected phonebook entry from the cell phone (col.6, lines 34-43, see Suh, fig.3-4, paragraph 0013-0016);

wherein the TTS module converts the name text of the selected phonebook entry into a voice tag for play by the voice synthesizer over a vehicle speaker for the operator

to hear (col.6, lines 34-43, see Suh, fig.3-4, paragraph 0025-0026); wherein the memory stores the converted voice tag and the associated telephone number of the selected phonebook in a phonebook for access by the voice synthesizer (col.6, lines 34-43, see Suh, fig.3-4, paragraph 0025-0026).

Regarding claim 7, Kinzalow and Suh further teaches the system of claim 6 wherein:

the communications module wirelessly communicates with the cell phone to receive the selected phonebook entry using the OBEX file transfer protocol (paragraph 0013, 0024).

Regarding claim 8, Kinzalow and Suh further teaches the system of claim 6 wherein:

the controller is operable for accessing the memory to determine if the converted voice tag of the name text of the selected phonebook entry corresponds to a voice tag of a name text already stored in the memory (see Suh, paragraph 0028-0029);

if the converted voice tag of the name text of the selected phonebook entry corresponds to a voice tag of a name text already stored in the memory (see Suh, paragraph 0028-0029), the voice synthesizer outputs an indication over the vehicle speaker for the driver to hear indicating that the converted voice tag of the name text of

the selected phonebook entry corresponds to a voice tag of a name text already stored in the memory(see Suh, paragraph 0028-0031).

Allowable Subject Matter

4. Claim 12 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Citation of Pertinent Prior Art

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Guntzer et al. (U.S.Pat-6226497) discloses Motor vehicle built-in unit for mobile phone.

Yamamoto (U.S.Pub-20020142803) discloses Mobile communication terminal and car mounted electronic device.

Seydoux et al. (U.S.Pat-6263216) discloses Radiotelephone voice control device in particular for use in a motor vehicle.

Yoshioka et al. (U.S.Pat-6636741) discloses Cellular telephone with automated redial functions.

D'Avello et al. (U.S.Pub-20030191646) discloses Method of setting voice processing parameters in a communication device.

Barclay et al. (U.S.Pub-20050096099) discloses Integrated hands free mobile system.

Kindo et al. (U.S.Pub-20040063471) discloses Communication system and communication device.

Odinak (U.S.Pub-20040219954) discloses Sharing account information and a phone number between personal mobile phone and an in-vehicle embedded phone.

Diedrich et al. (U.S.Pub-20050064910) discloses System and method for formatting and displaying numbers.

Diedrich et al. (U.S.Pub-20050075128) discloses System and method for managing mobile communications.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khai M. Nguyen whose telephone number is 571.272.7923. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on 571.272.7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Khai Nguyen
Au: 2687

9/8/2005



LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER